

ABSTRACT OF THE DISCLOSURE

A multi-layer corrosion protection system and a method for applying the multi-layer corrosion protection system. The system comprises a corrosion-resistant layer plated onto a metallic substrate. The corrosion-resistant layer may be deposited using an autocatalytic (electroless) process. The corrosion-resistant layer may comprise phosphorous. The system comprises a stain-resistant layer deposited over the corrosion-resistant layer. The stain-resistant layer may be deposited using an autocatalytic (electroless) process. The stain-resistant layer may comprise nickel. The system may also comprise an inner layer plated onto the metallic substrate to prepare the metallic substrate for the application of the corrosion-resistant layer. The inner layer may comprise nickel and may be deposited using an autocatalytic (electroless) process.